

**Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20554**

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APR 23 2004

FCC - MAILROOM

In the Matter of )  
 )  
Amendment of 73.202(b), )  
Table of Allotments, )  
FM Broadcast Stations. )  
(Knoxville, Illinois) )

MB Docket No. \_\_\_\_\_

To: Assistant Chief, Audio Division  
Media Bureau

**PETITION FOR RULE MAKING**

Pursuant to 47 C.F.R. 1.401, Paul B. Christensen (hereinafter "Petitioner") respectfully petitions the Federal Communications Commission to institute a Rule Making proceeding to amend the FM Table of Allotments to add Channel Number 291, Class A at Knoxville, Illinois.

**Proposal by Petitioner:**

<u>City</u>	<u>Channel Numbers</u>	
	<u>Present</u>	<u>Proposed</u>
Knoxville, Illinois	287A	287A, 291A

**DISCUSSION**

Petitioner respectfully submits that the public interest would be served by allocating Channel 291A to Knoxville, Illinois, as that community's second local aural FM transmission service. Knoxville, Illinois is located in Bureau County and has a population of 3,183.<sup>1</sup>

The City of Knoxville is incorporated within the State of Illinois. The City of Knoxville supports its own city government, police department, fire department, post office, school district, local churches, a weekly newspaper, and a full range of local businesses.

Attached hereto and made part of this petition is a Technical Exhibit in support of the requested allotment. Based on the information contained therein, it appears that the

<sup>1</sup> Census 2000, United States Department of Commerce, U.S. Census Bureau

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requested channel could be allotted to Knoxville, Illinois in compliance with the minimum distance separation requirements of §73.207(b) of the Commission's rules, subject to a site-restriction as specified in the Technical Exhibit.<sup>2</sup>

Reference Coordinates are:

40-54-23 North Latitude (NLAT)  
90-17-08 West Longitude (WLONG)

Should this petition be granted, and Channel 291A be allotted to Knoxville, Illinois, Petitioner will apply for Channel 291A and after it is authorized, will promptly construct the new facility.

In accordance with Section 1.52 of the Commission's Rules and Regulations, I hereby certify that I have examined the foregoing Petition for Rule Making and the attached Technical Exhibit, and that both are true and correct to the best of my knowledge and belief.

WHEREFORE, it is respectfully requested that the instant petition be granted and that the FM Table of Allotments, section 73.202(b) be amended as requested herein.

Respectfully submitted,



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April, 20, 2004

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<sup>2</sup> See revision of FM Assignment Policies and Procedures, 90 FCC 2d 88 (1992)

## **TECHNICAL EXHIBIT**

IN SUPPORT OF  
PETITION FOR RULE MAKING  
NEW FM – CHANNEL 291A  
KNOXVILLE, ILLINOIS

PAUL B. CHRISTENSEN  
PETITIONER

### **INTRODUCTION**

This Technical Exhibit supports the petition by Paul B. Christensen (herein after “Petitioner”), who seeks to amend the FM Table of Allotments, §73.207(b) of the Federal Communications Commission’s Rules, by allocating FM Channel 291A to Knoxville, Illinois as that community’s second local FM aural service.

### **ALLOCATION**

A comprehensive engineering study was performed, utilizing the current FCC/NTIS database to determine the feasibility of allocating FM Channel 291A to Knoxville, Illinois, subject to the §73.207(b) minimum distance requirements of the Commission’s Rules. The study incorporates all applicable co-channel, adjacent-channel, and intermediate-frequency separations. The results of the study indicate that FM Channel 291A may be allocated to Knoxville in full compliance with §73.207(b), provided that the transmission site is located northwest of the city’s southeastern boundary.

Attached hereto as Exhibit A is an “area-to-locate” study for FM Channel 291A. The Exhibit depicts the required protection contours from all relevant co-channel, adjacent channel, and intermediate-frequency-limited stations and allocations. As indicated,

ample area exists immediately east of the community boundary in which the proposed facilities may be located.

Assuming a maximum effective radiated power of six (6) Kilowatts and the installation of an omni-directional antenna placed at one hundred (100) meters above average terrain, the proposed transmission facilities could be located in or near the community's boundaries while maintaining the requisite city-grade (70 dBu) coverage contour over the entire city, in full compliance with §73.315(a) and (b). Attached hereto and presented as Exhibit B is a graphical representation of a city-grade service contour from the Petitioner's geographical reference coordinates, located within the permissible area-to-locate geographical area.

### **CONCLUSION**

As demonstrated herein, the proposed Amendment to the FM Table of Allotments can be achieved in compliance with §73.207(b), and §73.315(a) and (b) and will not create a short-spacing condition to any existing station, pending application, or vacant allotment; nor will the Amendment result in the reallocation of any station, pending application or vacant allotment.

# EXHIBIT A

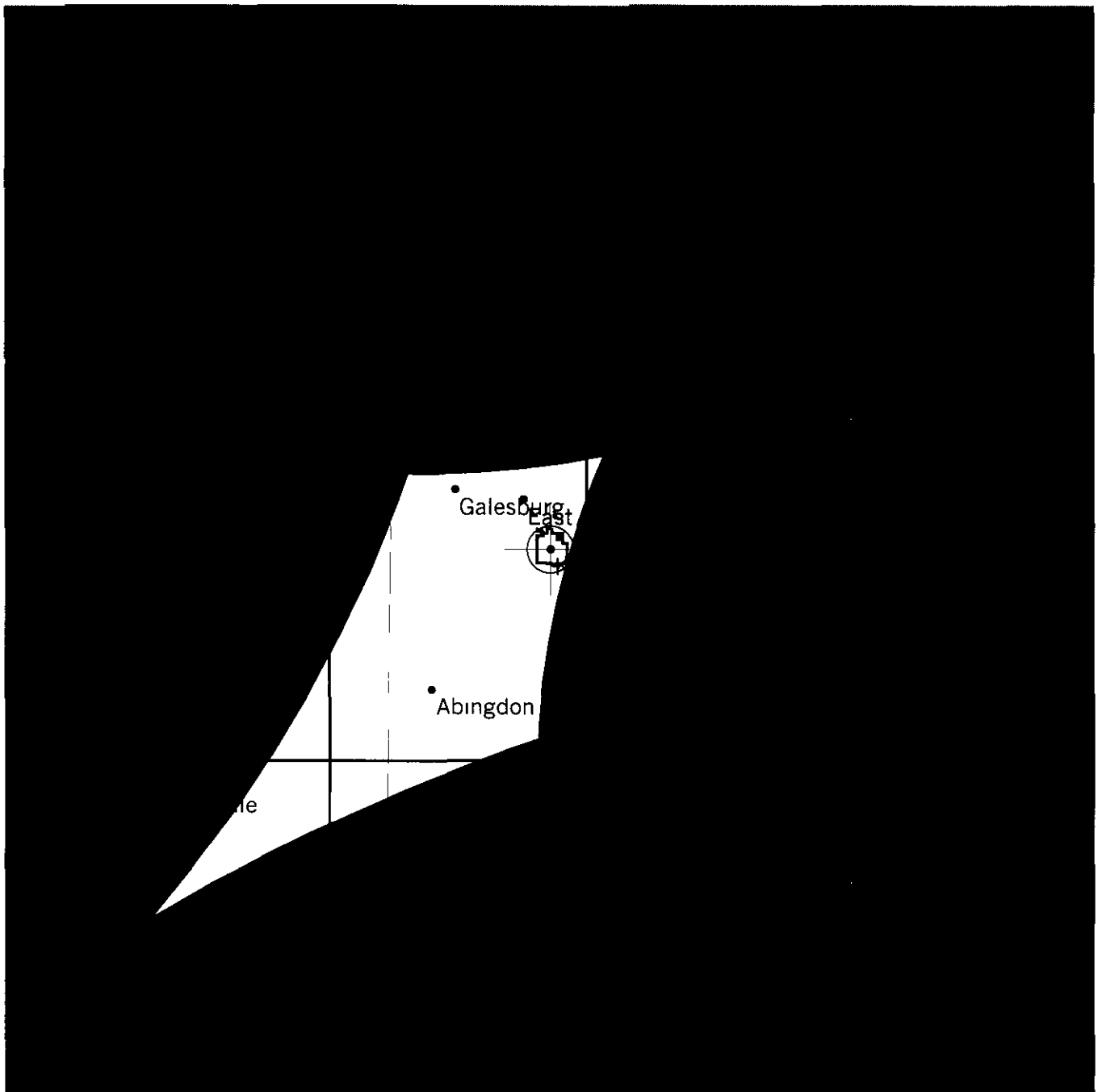
## 73.207 Analysis

Job Knoxville fm  
Master Database  
Lat N40 54 23 Lon W090 17 08 NAD-83  
Scale 1 500000  
Channel 291 Class A  
Status Licensed, Construction Permit, Application, Addition, Vacant/Reserved  
Channels Co-Channel, 1st Adj, 2nd Adj, 3rd Adj, IF, TV6  
Range 100 km, Clearance -0 5km  
Comments No Comments  
Description

Date. 11/18/02 11 45 22 AM

Key  
Short

Clear



# EXHIBIT B

## Contour Analysis

Job Knoxville fm  
 Master Database  
 Lat N40 54 23 Lon W090 17 08 NAD-83  
 Scale 1 500000  
 Channel 291 Class A  
 Status Licensed, Construction Permit, Application, Addition, Vacant/Reserved  
 Channels Co-Channel, 1st Adj, 2nd Adj, 3rd Adj, IF, TV6  
 Range 100 km, Clearance -0.5km  
 Comments No Comments  
 Description

Date 11/18/02 11:43 03 AM  
 Key

Service  
 Protected

2nd 3rd Adj

